

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--------------|---|------------------|---------|------------------|
| S1 | 2089 | 347/19.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 09:44 |
| S2 | 816 | 347/7.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 08:48 |
| S3 | 620 | 347/5.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 08:48 |
| S4 | 505634 | ink | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 08:49 |
| S5 | 3316065 | level | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 08:49 |
| S6 | 4506263 | amount | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 08:49 |
| S7 | 2133859 | volume | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 08:49 |
| S9 | 3554317 | detect\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 08:49 |

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|-----|---------|--|---|----|----|------------------|
| S10 | 1809312 | sensor sensing | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 08:49 |
| S11 | 8870879 | method | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 08:49 |
| S12 | 1570742 | calculat\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 08:50 |
| S13 | 630348 | residual | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 08:50 |
| S14 | 219 | S1 and (S4 with (S5 S6 S7)).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 09:01 |
| S15 | 19 | S1 and (S4 with S12 with (S5 S6 S7)).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 09:00 |
| S16 | 405 | S2 and (S4 with (S5 S6 S7)).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 09:01 |
| S17 | 35 | S2 and (S4 with S12 with (S5 S6 S7)).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 09:12 |

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|-----|---------|--|---|----|-----|------------------|
| S18 | 2747869 | rate | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 09:12 |
| S19 | 2420975 | ratio | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 09:12 |
| S20 | 239483 | correlation | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 09:13 |
| S21 | 7781443 | relat\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 09:13 |
| S23 | 31 | S1 and (S4 with (S5 S6 S7)).ab. and (S18 with (S19 S20 S21)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 09:37 |
| S24 | 29 | S2 and (S4 with (S5 S6 S7)).ab. and (S18 with (S19 S20 S21)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 09:46 |
| S25 | 2 | ((("6345891") or ("5519418"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/07 09:46 |
| S26 | 8 | ("5519418").URPN. | USPAT | OR | ON | 2005/10/07 09:46 |
| S27 | 14 | ("4313124" "4345262" "4459600" "4463359" "4558333" "4608577" "4723129" "4740796" "4973993" "4977413" "5049898" "5132711" "5136305" "5382969").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/07 09:56 |
| S28 | 30 | (predict\$3 estimat\$3) with S4 with (S5 S6 S7).ab. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/07 12:06 |
| S29 | 4 | (S1 S2) and (loss lost) near4 rate | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/07 12:08 |

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|-----|---------|---|---|----|----|------------------|
| S30 | 57 | (S1 S2) and (dissipat\$3 consumption evaporat\$3) near4 rate | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/07 12:10 |
| S32 | 209514 | (multi\$3 plural\$3) near6 (chamber cartridge tank reservoir receptacle) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/07 12:13 |
| S33 | 65568 | S4 with (S5 S6 S7) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 12:19 |
| S34 | 6800 | S32 and S33 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 12:14 |
| S35 | 115 | (S32 and S33).ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 12:14 |
| S37 | 10 | S1 and S35 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 12:15 |
| S38 | 5 | S35 and (predict\$3 estimat\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 12:18 |
| S39 | 4678691 | ink fluid liquid | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 12:18 |
| S40 | 865527 | S39 with (S5 S6 S7) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 12:20 |

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|-----|-------|---|---|----|----|------------------|
| S41 | 4875 | S40 with (predict\$3 estimat\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 12:21 |
| S42 | 610 | S41 and S32 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 12:23 |
| S45 | 24328 | correct\$3 same S39 with (S5 S6 S7) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 12:25 |
| S46 | 111 | S42 and S45 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/07 12:25 |
| S48 | 27 | ("20020037173" "20020127024" "4432005" "5068806" "5414452" "5459556" "5610635" "5655174" "5721573" "5758224" "5794094" "5797061" "5802420" "5826134" "5937225" "5950043" "5970275" "6052547" "6116715" "6151039" "6196651" "6360174" "6397015" "6431673" "6456802" "6476837" "6494553").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/07 14:21 |

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|-----|-----|---|---|----|-----|------------------|
| S49 | 73 | ((("5924198") or ("6247798") or ("5742312") or ("5751323") or ("6120135") or ("5399039") or ("5500667") or ("5538586") or ("5637166") or ("5686949") or ("5844580") or ("5896153") or ("5903295") or ("6132034") or ("4920362") or ("5187498") or ("5233369") or ("5388326") or ("5430470") or ("5486855") or ("5543009") or ("5659347") or ("5821963") or ("5953032") or ("5967045") or ("5984455") or ("6010209") or ("6017112") or ("6030071") or ("6076910") or ("6089696") or ("4847630") or ("5187500") or ("5350616") or ("5380164") or ("5435961") or ("5459497") or ("5572243") or ("5581287") or ("5598197") or ("5600349") or ("5627577") or ("5642142") or ("5682183") or ("5710581") or ("5742305") or ("5742306") or ("5793393") or ("5835112") or ("5912685") or ("6000779") or ("6019907") or ("6027199") or ("6042224") or ("6074046") or ("6079820") or ("6079327") or ("6123413") or ("6126273") or ("6132033") or ("6137443") or ("6145963") or ("6146915") or ("6145980") or ("6154236") or ("6161923") or ("6162589") or ("6168267") or ("6171875") or ("6190000") or ("6209203") or ("6213596") or ("6209203") or ("6213596") or ("6231168"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/11 11:05 |
| S50 | 492 | 347/7.ccls. and (measur\$3 determin\$3 sens\$3) with (level amount volume residual) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 11:07 |
| S51 | 131 | 347/7.ccls. and (estimat\$3 predict\$3) with (level amount volume residual remainder) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 12:20 |

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|-----|--------|---|---|----|----|------------------|
| S52 | 262 | 347/7.ccls. and (plurality multiple multi) with (chamber reservoir cartridge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 16:09 |
| S53 | 70 | S51 and S52 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 13:57 |
| S54 | 131 | 347/7.ccls. and (estimat\$3 predict\$3) with (level amount volume residual remainder) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 13:57 |
| S55 | 262 | 347/7.ccls. and (plurality multiple multi) with (chamber reservoir cartridge) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 13:57 |
| S56 | 70 | S54 and S55 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 16:30 |
| S57 | 305 | 347/7.ccls. and (plurality multiple multi) with (chamber reservoir cartridge tank) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 16:09 |
| S61 | 89 | S54 and S57 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 16:30 |
| S64 | 164381 | first adj3 (chamber reservoir cartridge tank) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 16:26 |

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|-----|-----|--|---|----|----|------------------|
| S65 | 25 | S64 and S56 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 16:51 |
| S68 | 37 | S54 and S64 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 16:51 |
| S69 | 9 | S54 and S64 not "25" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 16:56 |
| S76 | 199 | 73/1.73.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 17:10 |
| S77 | 688 | 73/149.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 17:11 |
| S79 | 76 | 73/149.ccls. and (plurality multiple multi) with (chamber reservoir cartridge tank) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 17:11 |
| S80 | 34 | 73/1.73.ccls. and (plurality multiple multi) with (chamber reservoir cartridge tank) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/11 17:11 |
| S81 | 76 | 73/149.ccls. and (plurality multiple multi) with (chamber reservoir cartridge tank) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 08:39 |

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|-----|-------|--|---|----|----|------------------|
| S82 | 34 | 73/1.73.ccls. and (plurality multiple multi) with (chamber reservoir cartridge tank) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:33 |
| S83 | 31997 | (plurality multiple multi) with (chamber reservoir cartridge tank) | EPO; JPO | OR | ON | 2005/10/12 09:34 |
| S84 | 5 | S83 and (estimat\$3 predict\$3) and measure | EPO; JPO | OR | ON | 2005/10/12 09:37 |
| S85 | 712 | S83 and ratio | EPO; JPO | OR | ON | 2005/10/12 09:37 |
| S86 | 33 | S83 and ratio and difference | EPO; JPO | OR | ON | 2005/10/12 09:40 |
| S87 | 0 | ("6826952").URPN. | USPAT | OR | ON | 2005/10/12 09:41 |
| S88 | 0 | ("2002/0097283").URPN. | USPAT | OR | ON | 2005/10/12 09:42 |
| S89 | 1189 | adkins.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:44 |
| S90 | 4 | adkins.in. and estimat\$3.ti. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:45 |
| S91 | 7 | adkins.in. and estimat\$3.ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 09:45 |
| S92 | 29 | lexmark.as. and estimat\$3.ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 11:01 |
| S94 | 759 | lexmark.as. and ink.ti. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 10:03 |
| S95 | 2 | "20040012648" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 11:01 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|------------------------|-------|------------------|---------|------------------|
| L1 | 14900 | estimat\$.ab. | USPAT | AND | OFF | 2005/10/12 13:34 |
| L2 | 28645 | liquid adj level | USPAT | AND | OFF | 2005/10/12 13:34 |
| L3 | 37 | L1 and L2 | USPAT | AND | OFF | 2005/10/12 13:34 |
| S1 | 214617 | estimat\$ | USPAT | AND | OFF | 2005/10/11 13:36 |
| S2 | 3308 | estimat\$.ti. | USPAT | AND | OFF | 2005/10/11 13:36 |
| S3 | 14900 | estimat\$.ab. | USPAT | AND | OFF | 2005/10/11 13:36 |
| S4 | 28645 | liquid adj level | USPAT | AND | OFF | 2005/10/11 13:37 |
| S5 | 1868 | S1 and S4 | USPAT | AND | OFF | 2005/10/11 13:37 |
| S6 | 3 | S2 and S4 | USPAT | AND | OFF | 2005/10/11 13:40 |
| S7 | 37 | S3 and S4 | USPAT | AND | OFF | 2005/10/11 13:41 |
| S8 | 3162 | (liquid adj level).ab. | USPAT | AND | OFF | 2005/10/11 13:38 |
| S9 | 2337 | (liquid adj level).ti. | USPAT | AND | OFF | 2005/10/11 13:39 |
| S10 | 0 | S2 and S9 | USPAT | AND | OFF | 2005/10/11 13:39 |
| S11 | 0 | S2 and S8 | USPAT | AND | OFF | 2005/10/11 13:39 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|---|------------------|---------|------------------|
| L1 | 2 | "5294797".PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/12 10:13 |
| L2 | 13 | ("3182190" "3296434" "4570066" "5032722" "5146088").PN. OR ("5294797").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/12 10:27 |
| L3 | 15 | US-5508722-\$.DID. OR US-5519418-\$.DID. OR US-5655174-\$.DID. OR US-5657057-\$.DID. OR US-5689290-\$.DID. OR US-5900888-\$.DID. OR US-5929885-\$.DID. OR US-6012794-\$.DID. OR US-6086178-\$.DID. OR US-6086190-\$.DID. OR US-6293143-\$.DID. OR US-6361136-\$.DID. OR US-6431670-\$.DID. OR US-6494553-\$.DID. OR US-6517182-\$.DID. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/12 10:27 |
| L4 | 21 | ("4202267" "4313124" "4345262" "4459600" "4463359" "4558333" "4608577" "4723129" "4737801" "4740796" "4792699" "4977413" "5166707").PN. OR ("5689290").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/12 10:32 |
| L5 | 39152 | (print\$4 or record\$4) and (ink\$1 or fluid\$1 or liquid\$1) and (chamber\$1 or tank\$1 or reservoir\$1 or cartridge\$1) and ((estimat\$4 or calculat\$4 or predict\$4) same (amount or volume or level\$1)) and (measur\$4 or sens\$4 or detect\$4) and (subtract\$4 or differ\$5) and (modify\$4 or correct\$4 or adjust\$4 or chang\$4 or compensat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/12 10:37 |
| L6 | 14840 | 5 and ((ink\$1 or fluid\$1 or liquid\$1) with (chamber\$1 or tank\$1 or reservoir\$1 or cartridge\$1)) and ((estimat\$4 or calculat\$4 or predict\$4) same (amount or volume or level\$1)) and (measur\$4 or sens\$4 or detect\$4) and (subtract\$4 or differ\$5) and (modify\$4 or correct\$4 or adjust\$4 or chang\$4 or compensat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/12 10:38 |

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|-----|------|---|---|----|-----|------------------|
| L7 | 2305 | 6 and (((ink\$1 or fluid\$1 or liquid\$1) with (chamber\$1 or tank\$1 or reservoir\$1 or cartridge\$1)) same ((estimat\$4 or calculat\$4 or predict\$4) same (amount or volume or level\$1))) and (measur\$4 or sens\$4 or detect\$4) and (subtract\$4 or differ\$5) and (modify\$4 or correct\$4 or adjust\$4 or chang\$4 or compensat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/12 10:38 |
| L8 | 1582 | 7 and ((estimat\$4 or calculat\$4 or predict\$4) same (amount or volume or level\$1) same (measur\$4 or sens\$4 or detect\$4)) and (subtract\$4 or differ\$5) and (modify\$4 or correct\$4 or adjust\$4 or chang\$4 or compensat\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/12 10:41 |
| L9 | 275 | 8 and ((estimat\$4 or calculat\$4 or predict\$4) same (amount or volume or level\$1) same (measur\$4 or sens\$4 or detect\$4) same (subtract\$4 or differ\$5) same (modify\$4 or correct\$4 or adjust\$4 or chang\$4 or compensat\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/12 10:41 |
| L10 | 43 | 9 and "347"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/12 10:42 |